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| [TDCC Form<br>Similar to: Form PTO-1390]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                     | U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE                 |  |
| <b>TRANSMITTAL LETTER TO THE UNITED STATES<br/>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br/>CONCERNING A FILING UNDER 35 U.S.C. 371</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                     | ATTORNEY'S DOCKET NUMBER<br><br><b>62144B</b>                              |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                     | U.S. APPLICATION NO. (if known, see 37 C.F.R. 1.5)<br><br><b>10/529530</b> |  |
| INTERNATIONAL APPLICATION NO.<br><b>PCT/US03/30910</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | INTERNATIONAL FILING DATE<br><b>01 October 2003</b> | PRIORITY DATE CLAIMED<br><b>08 November 2002</b>                           |  |
| TITLE OF INVENTION<br><b>LIQUID AND GEL-LIKE LOW MOLECULAR WEIGHT ETHYLENE POLYMERS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                     |                                                                            |  |
| APPLICANT(S) FOR DO/EO/US<br><b>Teresa Karjala; Selim Yalvac; Thomas Karjala; Daniel D. VanderLende; Brian W. S. Kolthammer; James C. Stevens; Charles F. Diehl</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                     |                                                                            |  |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                     |                                                                            |  |
| <ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a filing under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371.</li> <li>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).</li> <li>4. <input checked="" type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> has been transmitted by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States receiving Office (RO/US).</li> </ol> </li> <li>6. <input type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)).</li> <li>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau).</li> <li>b. <input type="checkbox"/> have been transmitted by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input checked="" type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor (35 U.S.C. 371(c)(4)).</li> <li>10. <input type="checkbox"/> A translation of the Annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol> |                                                     |                                                                            |  |
| <b>Items 11. to 15. below concern other document(s) or information included:</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                     |                                                                            |  |
| <ol style="list-style-type: none"> <li>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>12. <input type="checkbox"/> A FIRST preliminary amendment.</li> <li style="padding-left: 20px;"><input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment.</li> <li>13. <input type="checkbox"/> A substitute specification.</li> <li>14. <input type="checkbox"/> A change of power of attorney and/or address letter.</li> <li>15. <input type="checkbox"/> Other items or information:</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                     |                                                                            |  |

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|-------------------------------------------------------------------------|--|--------------------------------------------------------|--|-------------------------------------------|--|
| U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.50)<br><b>10/529530</b> |  | INTERNATIONAL APPLICATION NO.<br><b>PCT/US03/30910</b> |  | ATTORNEY'S DOCKET NUMBER<br><b>62144B</b> |  |
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| 17. <input checked="" type="checkbox"/> The following fees are submitted:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                  |              |                    | CALCULATIONS              | PTO USE ONLY |
| <b>Basic National Fee (37 CFR 1.492(a)(1)-(5)):</b><br><br>Search Report has been prepared by the EPO or JPO . . . . \$ <b>950.00</b><br><br>International preliminary examination fee paid to<br>USPTO (37 CFR 1.482) . . . . . \$ <b>750.00</b><br><br>No international preliminary examination fee paid to<br>USPTO (37 CFR 1.482) but international search fee<br>paid to USPTO (37 CFR 1.445(a)(2)) . . . . . \$ <b>790.00</b><br><br>Neither international preliminary examination<br>fee (37 CFR 1.482) nor international search fee<br>(37 CFR 1.445 (a)(2)) paid to USPTO . . . . . \$ <b>1,110.00</b><br><br>International preliminary examination fee paid to<br>USPTO (37 CFR 1.482) and all claims satisfied provisions<br>of PCT Article 33(2)-(4) . . . . . \$ <b>100.00</b> |                  |              |                    |                           |              |
| <b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                  |              |                    | <b>\$ 950.00</b>          |              |
| Surcharge of \$ <b>0.00</b> for furnishing the oath or declaration later<br>than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority<br>date (37 CFR 1.492(e)).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                  |              |                    | <b>\$ 0.00</b>            |              |
| Claims                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Number Filed     | Number Extra | Rate               |                           |              |
| Total Claim                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>25 - 20 =</b> | <b>5</b>     | X \$ <b>50.00</b>  | <b>\$ 250.00</b>          |              |
| Independent Claims                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>6 - 3 =</b>   | <b>3</b>     | X \$ <b>200.00</b> | <b>\$ 600.00</b>          |              |
| Multiple dependent claim(s) (if applicable)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                  |              | <b>\$ 0.00</b>     | <b>\$ 0.00</b>            |              |
| Processing fee of \$ <b>0</b> for furnishing the English Translation<br>later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority<br>date (37 CFR 1.492(f)).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                  |              |                    | <b>\$ 0.00</b>            |              |
| <b>TOTAL NATIONAL FEE =</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                  |              |                    | <b>\$ 1,800.00</b>        |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                  |              |                    | Amount to be<br>refunded: | \$           |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                  |              |                    | charged:                  | \$           |

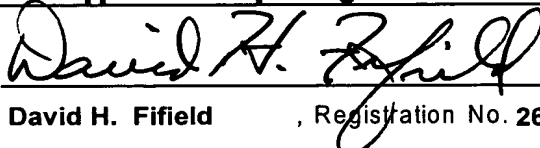
  

a. ☐ A check in the amount of \$\_\_\_\_\_ to cover the above fees is enclosed.

b. ☒ Please charge my Deposit Account No. **04-1512** in the amount of \$ **1,800.00** to cover the above fees. A duplicate copy of this sheet is enclosed.

c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. **04-1512**. A duplicate copy of this sheet is enclosed.

**Notes: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.**

|                                                                                                                                                                                                                          |                                                                                                                                                                                                             |
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| SEND ALL CORRESPONDENCE TO:<br><b>Jane M. Terry</b><br><b>The Dow Chemical Company</b><br><b>Intellectual Property</b><br><b>P.O. Box 1967</b><br><b>Midland, Michigan 48641-1967</b><br><b>UNITED STATES OF AMERICA</b> | Signature: <u></u><br><b>David H. Fifield</b> , Registration No. <b>26,729</b><br><br>Date: <u><b>29 March 2005</b></u> |
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Phone: (979) 238-3424